KU BIOENGINEERING GRADUATE PROGRAM
The University of Kansas

Master of Science in Bioengineering

Track: Biomedical Product Design and Development

Students entering FA18 to present

Track Co-Directors: Lisa Friis, Ph.D. (lfriis@ku.edu) and Sara Wilson, Ph.D. (sewilson@ku.edu)

CORE	3 hours required
CPE 756	*Intro to Bioengineering - replaced with breadth course*
BIOE 800	Bioengineering Colloquium (.5) (2 total hours req)
BIOE 801	Responsible Conduct of Research in Engineering (1)

DEPTH	9 hours required
1. Fundamental Courses (6 credits)	
ME 765	Biomaterials (3)
AND	
ME 760	Biomedical Product Design (3)

3. Design (3 credits)

ME 696	Design for Manufacturability (3)
ME 767	Molecular Biomimetics (3)
ME 790	Biomedical Microdevices (3)
CPE 715	Drug Delivery (3)
CPE 715	Polymer Science & Technology (3)
AE 709	Structural Composites (3)
CE 710	Structural Mechanics (3)
EECS 644	Intro to Digital Signal Processing (3)
EECS 721	Antennas (3)
EECS 728	Fiber-Optic Measurement & Sensors (3)
EECS 739	Parallel Scientific Computing (3)
EECS 741	Computer Vision (3)
	or other Design course(s) as approved by committee

BREADTH	12 hours minimum

Choose appropriate courses from the Master Breadth Course List.

1. Math, Statistics, Numerical Methods (1 course minimum)
2. Advanced Engineering (700 or above) (1 course minimum)
3. Sciences (1 course minimum)
4. Management & Business (0 required, 1 course max)

RESEARCH	6 hours minimum
BIOE 899	Independent Investigation (Thesis)

These hours are taken under your advisor/committee chair.

MINIMUM HOURS REQUIRED FOR DEGREE: 30

No more than 2 classes may be taken at the 500-600 level and counted towards the graduate degree.